3.600 St. Louis County
West Lake SLF

Encl

Copied Records (2)

JOHN ASHCROFT
Governor

G. TRACY MEHAN III
Director

Division of Energy
Division of Environmental Quality
Division of Geology and Land Survey
Division of Management Services
Divisionof Parks, Recreation,
and Historic Preservation

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
St. Louis Regional Office
8460 Watson Road, Suite 217
St. Louis, MO 63119
314-849-1313

0714
Site: West Lake LDF
ID#: MSD079900932
Area: 1 & 2
Other: O&A 2
12-26-90

December 26, 1990

Mr. Randy Anderson
Laidlaw Waste Systems, Inc.
13570 St. Charles Rock Road
Bridgeton, MO 63044

Dear Mr. Anderson:

Enclosed are reports of an inspection conducted at the West Lake Sanitary and Demolition Landfills by Mr. Joe Trunko of my staff. The report contains recommendations which the inspector has determined are warranted based on his findings at the facility.

Please review the report and implement the recommendations presented. Should you have any questions or comments, please contact Joe Trunko at this office.

Sincerely,

ST. LOUIS REGIONAL OFFICE

Robert S. P. Eck

Robert S. P. Eck
Regional Administrator

RSPE/JLT/pc

Enclosures

cc: [redacted]
St. Louis County DOCHMC

RECEIVED
DEC 31 1990
WASTE MANAGEMENT PROGRAM
MISSOURI DEPARTMENT OF
NATURAL RESOURCES

40249227
SUPERFUND RECORDS

Printed on recycled paper.

DNR 0024

3.600 St. Louis County
West Lake SLF

SOLID WASTE FACILITY INSPECTION REPORT

FACILITY

West Lake Sanitary Landfill
St. Louis County
MDNR Permit #118912

INTRODUCTION

On December 20, 1990, the above-referenced facility was inspected for compliance with regulations pursuant to the Missouri Solid Waste Management Law. Messrs. Joe Trunko and Mike Struckhoff, Environmental Specialists, represented the Missouri Department of Natural Resources, St. Louis Regional Office. Mr. Randy Anderson represented the facility.

FINDINGS

1. Daily operating practices were satisfactory.

2. A large amount of litter had accumulated in the ponded water in the southwest portion of the landfill.

3. Groundwater monitoring well #1203 was inoperable.

4. Water accumulation in the quarry pit remains a problem at this facility.

DISCUSSION

Daily operating practices of compacting and covering waste were satisfactory. The active face was located in the southeast section of the quarry pit. The use of sanifoam as daily cover has ceased and dirt is now utilized for this purpose. The facility had recently acquired a new steel-wheeled compactor. Average incoming waste levels per day remain at about 6,000 cubic yards per day.

A large amount of litter had accumulated along the sides of the ponded water in the southwest section of the landfill. Waste was also observed floating in the water. All solid waste around the pond should be covered. Further, all solid waste floating in the pond should be removed, if possible, and covered so as to minimize the contact between water and solid waste.

Groundwater monitoring well #1203 was inoperable. The well is located on the east corner of the quarry and was discovered to be obstructed by limestone bedrock that had broken off and lodged into the well hole. In a letter dated August 21, 1990, from Foth & Van Dyke to Jan Neher of the Waste Management Program, a plan to abandon this well and replace it with a new monitoring well located west of the quarry was proposed. However, a modification has not been submitted to the WMP. Mr. Anderson stated that this matter was still being reviewed by Laidlaw.

The ponded water was still present in the southwest section of the quarry pit. The water was black and appeared to be a mixture of stormwater and leachate. However, the size of the pond had not increased since the last inspection. Mr. Anderson informed the inspectors that the depth of water in this area was 8 feet at the deepest spot. He also stated that a new float for the pump utilized to pump the water to the leachate lagoon had recently been installed. The pump was non-operable for over a week during that time. It had been operating 24 hours per day for the past two weeks, however.

This pump has a capacity to pump 1,500 gallons per minute to the leachate lagoon. However, the maximum amount of leachate that can be pumped from the lagoon into the MSD sewer is 300 gallons per minute. This situation causes the lagoon to reach capacity frequently. As a result, the pump in the quarry must be shut down at those times to allow the leachate level in the lagoon to subside. Mr. Anderson stated that the discharge rate into the sewer system could not be increased without installing a new lift station to accommodate the increased flow rate. He further stated that this option was not being considered at the present time for economic reasons.

While increasing the discharge rate into the sewer system may help in reducing the size of the pond, the control of water inflow <u>into</u> the quarry must ultimately be addressed in order to achieve a more permanent solution to this problem.

After review of the site, it appears that the major source of water inflow is surface and subsurface (leachate) flow from the closed areas north of the active quarry pit as well as from properties east of Taussig Road. General contours of these areas direct surface water into the quarry. Further, water also infiltrates the old fill and seeps into the quarry as leachate. Mr. Anderson informed the inspectors that Laidlaw is considering a modification to relocate the flare/blower to an area west of its present location. Other possible changes would involve making Taussig Road the entrance road to the landfill and regrading the property east of Taussig Road. These modifications could reduce some of the surface water inflow from these areas. Ensure that any proposed modifications are submitted to the WMP for review and approval prior to construction.

The water level in leachate collection well #123, which is located in the northwest corner of the quarry, had been as high as 38 feet in recent months. A depth of 30 feet is the permitted maximum level. Mr. Anderson stated that the excess water level was due to an erosion cut that was discovered in the area of the well, thus resulting in excess stormwater inflow into the well. Recent level measurements have shown water heights of less than 30 feet.

Water also enters the quarry from the closed area west of the landfill. Mr. Anderson stated that a berm was planned to be constructed that would divert stormwater from this area into the drainage ditch west of the entrance road to the quarry. He further stated that the pond located in this area would be filled in with rock and dirt. The pond may be contributing to water seepage through the west quarry wall. However, seepage from this area appeared to be minimal at the time of the inspection.

Another possible source of water inflow could be seepage through the quarry wall in the northeast corner of the pit. This area had been grouted in the past. Also, a 12 foot sidewall liner is required in this area. Mr. Anderson stated that water levels in leachate collection well #124 had consistently been below the maximum permitted depth of 30 feet, indicating that flow from this area has not increased.

The berm constructed above the southeast corner of the quarry has been effective in diverting stormwater originating from the field to the east away from the quarry. Mr. Anderson informed the inspectors that Laidlaw was considering purchasing this property, enabling them to take other measures to divert additional stormwater from this area.

Accumulation of water and leachate in the quarry pit has been a continuing problem at this facility. Efforts have been taken to decrease the water level in the pit as well as to decrease the amount of water inflow into the quarry. However, additional measures must still be initiated. The improvements planned on the west side of the quarry as well as the proposed modifications for the area north of the quarry should help. Further evaluation of possible measures that could decrease the water currently in the pit as well as decrease stormwater flow and leachate seepage into the quarry from the areas north of the quarry needs to be pursued.

RECOMMENDATIONS

1. Remove and cover all solid waste that has accumulated in and around the ponded water at the southwest section of the quarry.

2. Finalize a plan for the repair or relocation of groundwater monitoring well #1203 and submit it to the WMP for review.

3. Within 30 days, submit to this office a description and tentative implementation schedule of all actions being considered by Laidlaw to remediate the water problem at this facility.

Questions concerning this report should be addressed to the undersigned.

PREPARED BY:

ST. LOUIS REGIONAL OFFICE

Joseph L. Trunko
Environmental Specialist II
Solid Waste Management Program

JLT:pc

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY

SANITARY LANDFILL INSPECTION CHECKLIST

TYPE OF INSPECTION ▶ 2

I GENERAL INFORMATION

DATE OF INSPECTION: December 20, 1990	DAYS/WEEK OPEN: 6	TIME OF ARRIVAL: 12:30 p.m.	
WEATHER: Partly Cloudy ; light wind			TEMPERATURE: 55° F
FACILITY NAME: Westlake Sanitary Landfill		COUNTY: St. Louis	PERMIT NUMBER: 118912
OWNER: Laidlaw Waste Systems, Inc.			TELEPHONE NUMBER: (314) 739-1919
ADDRESS: 13570 St. Charles Rock Rd.	CITY: Bridgeton	STATE: MO	ZIP CODE: 63044
OPERATOR: Same as owner			TELEPHONE NUMBER: "
ADDRESS: "	CITY: "	STATE: "	ZIP CODE: "

II REMAINING LIFE OF LANDFILL

A. Estimated quantity of waste accepted, 32,000 (yards) or tons/(week)

B. Estimated life of remaining landfill ≈ 10 years.

C. Fixed operating term date. 11-18-95

AREA SERVED

A. Cities: Various Municipalities,

B. Counties: St. Louis , St. Charles

NOTE ▶ Check all subsections: SAT-Satisfactory or UNS-Unsatisfactory. If necessary, describe "UNS" violations under "Remarks."

Section	Item	SAT	UNS
10 CSR 80-2.020 PERMIT ISSUANCE, SPECIAL OPERATING PERMITS, AND PERMIT EXEMPTIONS			
(8)(E)	SITE CONSTRUCTED AND OPERATED PER APPROVED TERMS AND CONDITIONS OF PERMIT.	✓	
10 CSR 80-2.050 CERTIFIED SOLID WASTE TECHNICIANS			
(2)(A)	CERTIFIED SOLID-WASTE TECHNICIAN. (Randy Anderson)	✓	
10 CSR 80-3.010 SANITARY LANDFILLS DESIGN AND OPERATION			
(2) SOLID WASTE ACCEPTED (2)(C)1.	BULKY SOLID WASTE CRUSHED ON SOLID GROUND	✓	
(2)(C)2.	SMALL DEAD ANIMALS COVERED IMMEDIATELY.	✓	
(3) SOLID WASTE EXCLUDED AND SPECIAL WASTE APPROVALS			
(3)(C)1.	THE DISPOSAL OF SPECIAL WASTE APPROVED IN THE PERMIT IN ACCORDANCE WITH APPROVED PLANS.	✓	
(3)(C)2.A.	WRITTEN APPROVAL FOR SPECIAL WASTE NOT APPROVED IN PERMIT.	✓	
(3)(C)2.B.	APPROVED SPECIAL WASTE DISPOSED OF PROPERLY.	✓	
(3)(C)3.	SIGN POSTED AT ENTRANCE LISTING EXCLUDED WASTES.	✓	
(3)(C)4.	PROCEDURE FOR SCREENING AND REMOVAL OF EXCLUDED WASTES.	✓	
(3)(C)5.	LARGE DEAD ANIMALS PLACED IN PIT AND COVERED WITH FOUR FEET OF COMPACTED SOIL.	✓	
(3)(C)6.	EXCLUDED WASTES LISTED IN SUBSECTION (3)(A) OF THIS RULE NOT ACCEPTED FOR DISPOSAL.	✓	
(4) SITE SELECTION (4)(C)1.	SITE ACCESSIBLE IN ALL WEATHER CONDITIONS, TEMPORARY ROADS PROVIDED TO WORKING FACE.	✓	
(4)(C)2.	IF ACCESS ROADS ARE FLOODED, ALTERNATE SANITARY LANDFILL AVAILABLE. NAME: Weber SLF / Belleville	✓	
(5) DESIGN (5)(C)1.	CONSTRUCTION AND OPERATION OF THE SITE IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.	✓	
(5)(C)2.	MINIMUM 50-FOOT BUFFER ZONE MAINTAINED.	✓	
(5)(C)3.	OPERATING MANUAL AVAILABLE.	✓	
(6) SURVEY CONTROL			
(6)(C)1.	BOUNDARY MARKERS, BENCHMARKS, HORIZONTAL CONTROL STATIONS, & CONSTRUCTION STAKES CLEARLY MARKED & IDENTIFIED.	✓	
(6)(C)2.	MISSING OR DISPLACED BENCHMARKS OR HORIZONTAL CONTROL STATIONS REESTABLISHED.	✓	
(6)(C)3.	MISSING OR DISPLACED CONSTRUCTION STAKES REESTABLISHED.	✓	
(6)(C)4.	MONUMENTS AND BOUNDARY MARKERS PLACED PRIOR TO RECEIVING AUTHORIZATION TO OPERATE.	✓	
(6)(C)5.	CONSTRUCTION STAKES MARKING THE ACTIVE AREA PLACED PRIOR TO DEPOSITION OF WASTE.	✓	
(7) WATER QUALITY			
(7)(C)1.	SURFACE WATERCOURSES & RUNOFF PROPERLY DIVERTED. CONSTRUCTION & GRADING TO PROMOTE RUNOFF WITHOUT EXCESSIVE EROSION. (4)	[blot]	
(7)(C)2.	CONTACT BETWEEN WATER AND SOLID WASTE MINIMIZED (3)		✓
(7)(C)3.	LEACHATE GENERATED ON-SITE CONTROLLED ON-SITE AND NOT ALLOWED TO DISCHARGE OFF SITE OR DISCHARGE INTO WATERS OF THE STATE	✓	
(8) GROUND-WATER MONITORING			
(8)(C)1.B.	GROUND-WATER-MONITORING WELLS OPERATIONAL PRIOR TO ACCEPTANCE OF WASTE.	✓	
(9) AIR QUALITY			
(9)(C)	BURNING OF SOLID WASTE PROHIBITED UNLESS A BURNING PERMIT IS OBTAINED.	✓	

RECEIVED DEC 31 1990 [illegible]

MO 780-0354 (3-89)

Section	Item	SAT	UNS
(10) GAS CONTROL (10)(C)1.	DECOMPOSITION GAS CONTROL SYSTEMS IMPLEMENTED AS NECESSARY. Active [illegible] & Passive system	✓	
(10)(C)2.A.	METHANE NOT ALLOWED TO CONCENTRATE IN BUILDINGS ON-SITE ABOVE 25 PERCENT LEL FOR METHANE.	✓	
(10)(C)2.B.	METHANE NOT ALLOWED TO CONCENTRATE IN THE SOIL AT THE PROPERTY BOUNDARY ABOVE 5 PERCENT LEL FOR METHANE	✓	
(10)(C)3.	DECOMPOSITION GAS MONITORING RESULTS SUBMITTED TO THE DEPARTMENT AS REQUIRED BY PERMIT	✓	
(11) VECTORS (11)(C)	VECTOR CONTROL PROGRAMS IMPLEMENTED WHEN NECESSARY.	✓	
(12) AESTHETICS		✓	
(12)(C)1.	LITTER CONTROL DEVICES UTILIZED AS NEEDED. LITTER COLLECTED & INCORPORATED INTO THE ACTIVE CELL AT THE END OF EACH DAY OR PLACED IN CONTAINERS	✓	
(12)(C)2.	WASTES EASILY MOVED BY WIND COVERED AS NECESSARY.	✓	
(12)(C)3.	ON-SITE VEGETATION CLEARED ONLY AS NECESSARY.	✓	
(12)(C)4.	SALVAGED MATERIALS REMOVED DAILY OR STORED IN AESTHETICALLY ACCEPTABLE CONTAINERS	✓	
(13) COVER (13)(C)1.	DAILY COVER APPLIED.	✓	
(13)(C)2.	INTERMEDIATE COVER APPLIED.	✓	
(13)(C)3.	FINAL COVER APPLIED.	✓	
(13)(C)4.	FINAL SIDE SLOPES NOT TO EXCEED 33.3 PERCENT.	✓	
(13)(C)5.	VEGETATION ESTABLISHED WITHIN 180 DAYS OF APPLICATION OR REGRADING OF COVER.	✓	
(13)(C)6.	REGRADING AND RECOVERING AS NECESSARY.	✓	
(14) COMPACTION (14)(C)1.	SOLID-WASTE HANDLING EQUIPMENT ON-SITE AND OPERATED AS NECESSARY.	✓	
(14)(C)1.A.	SOLID WASTE TO BE COMPACTED, SPREAD IN LAYERS NO MORE THAN 2 FEET THICK, & CONFINED TO SMALLEST PRACTICAL AREA	✓	
(14)(C)1.B.	WASTE COMPACTED TO SMALLEST PRACTICAL VOLUME	✓	
(14)(C)1.C.	COVER COMPACTED AS MUCH AS PRACTICAL.	✓	
(14)(C)2.	PREVENTIVE MAINTENANCE PERFORMED ON EQUIPMENT.	✓	
(14)(C)3.	SOLID WASTE NOT DISPOSED OF IN WATER.	✓	
(15) SAFETY (15)(C)1.	FIRE EXTINGUISHERS PROVIDED.	✓	
(15)(C)2.	ALL FIRES IN WASTES BEING DELIVERED AT THE WORKING FACE OR WITHIN EQUIPMENT EXTINGUISHED.	✓	
(15)(C)3.	COMMUNICATIONS EQUIPMENT AVAILABLE.	✓	
(15)(C)4.	SCAVENGING PROHIBITED.	✓	
(15)(C)5.	CONTROLLED ACCESS TO SITE BY ESTABLISHED ROADWAYS & LIMITED TO HOURS WHEN OPERATING PERSONNEL ARE ON DUTY.	✓	
(15)(C)6.	TRAFFIC CONTROLLED AND DIRECTED TO DISTINGUISH DISPOSING POINTS.	✓	
(15)(C)7.	SITE DUST CONTROLLED.	✓	
(16) RECORDS (16)(C)1.A.	RECORDS OF MAJOR PROBLEMS AND COMPLAINTS.	✓	
(16)(C)1.B.	MONITORING RECORDS	✓	
	A. LEACHATE SAMPLING AND ANALYSES.		
	B. GAS SAMPLING AND ANALYSES.		
	C. GROUND- AND SURFACE-WATER ANALYSES.	✓	
(16)(C)1.C.	RECORDS OF VECTOR-CONTROL EFFORTS.	✓	
(16)(C)1.D.	RECORDS OF DUST- AND LITTER-CONTROL EFFORTS.	✓	
(16)(C)1.E.	RECORDS OF QUANTITY OF WASTE HANDLED.	✓	
(16)(C)1.F.	RECORDS OF DESCRIPTION, SOURCES, AND VOLUME OF SPECIAL WASTES LISTED IN SUBSECTION (3)(A).	✓	
OTHER DESIGN SPECIFICATIONS			
(7)(C)3.	LEACHATE COLLECTION SYSTEM PROPERLY INSTALLED AND OPERATED.	✓	
(7)(C)4.	LINER CONSTRUCTED BY APPROVED DESIGN SPECIFICATION.	✓	
(8)(C)1.A.	GROUNDWATER MONITORING WELLS INSTALLED. (2)	[blot]	
(13)(C)7.	BORROW AREAS RECLAIMED.	✓	

REMARKS
(1) Daily operations of compacting & covering waste satisfactory.
(2) Gas well # 1303 not operational.
(3) Large amount of waste/litter collected in water.
(4) Leachate still present in Southwest area of quarry. Additional measures should be taken to control inflow of surface and subsurface water into the quarry.

TO THE OWNER/OPERATOR:

This inspection of your facility has been conducted under the authority of Sec. 260.225.1 (9) RSMo. The department representative has marked those items found in violation of the applicable environmental laws and regulations adopted thereunder pertaining to your facility. Your signature below or that of your agent acknowledges that you have been notified of the deficiencies and have received recommendations and specific time frames for corrective action(s). If future inspections determine these violations persist, the Department may proceed with more formal enforcement procedures as authorized under Sections 260.230 and 260.240 RSMo, including but not limited to the assessment of penalties up to $1000 per day for each day, or part thereof, the violation occurred. If any questions occur following your receipt of the inspection record, please contact the inspector named below.

COMPLIANCE EVALUATION

- ☑ Facility in Compliance
- ☐ Facility Not In Compliance
  - ☐ Notice of Violation Issued ___ / ___ / ___
  - ☐ Return to Compliance By : ___ / ___ / ___
  - ☐ Follow-up Visit Scheduled: ___ / ___ / ___

SIGNATURE OF INSPECTOR: [illegible signature]	OFFICE: St. Louis Regional	COPY RECEIVED BY: By Mail
OFFICE ADDRESS: 8460 Watson Rd. St. Louis, MO 63119	TELEPHONE: (314) 849-1313	TITLE: —

MO 780-0354 (3-89)

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY

SOLID WASTE AND RECOVERED MATERIALS DATA SHEET

NAME OF FACILITY		PERMIT NUMBER
Westlake Sanitary Landfill		118912
DATE	**REGIONAL OFFICE**	**INSPECTOR**
December 20, 1990	St. Louis	Joseph L. Trunko

TIPPING FEES

CUBIC YARD	PICKUP LOAD	WHITE GOODS
$7.00	$20.00	—
TON	**CAR LOAD**	**TIRES**
—	N/A	—

APPLICABLE *	TYPE OF MATERIAL RECOVERED	AMOUNT RECOVERED/MONTH CUBIC YARDS OR TONS	AMOUNT RECYCLED/MONTH CUBIC YARDS OR TONS
N/A	ALUMINUM		
	Cans		
	Scrap		
	OTHER METAL		
	Ferrous		
	Non-Ferrous		
	PAPER		
	Newspaper		
	Corrugated		
	Computer/White		
	Mixed		
	GLASS		
	Clear		
	Mixed		
	PLASTIC		
	Milk Jugs		
	Soda Bottles		
	Mixed		
	CAR BATTERIES		
	TIRES		
	WHITE GOODS		
	COMPOST FROM YARD WASTE		
	COMPOST FROM SOLID WASTE		

NOTE ▶ * CHECK IF APPLICABLE
PRINT "N/A" IF NOT APPLICABLE

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY

DEMOLITION LANDFILL INSPECTION CHECKLIST

TYPE OF INSPECTION ▶ 2

I GENERAL INFORMATION

DATE OF INSPECTION	DAYS/WEEK OPEN	TIME OF ARRIVAL
December 20, 1990	6	≈ 12:30 p.m.

WEATHER	TEMPERATURE
Partly Sunny, Light wind	≈ 55°F

FACILITY NAME	COUNTY	PERMIT NUMBER
Westlake Demolition Landfill	St. Louis	218912

OWNER	TELEPHONE NUMBER
Laidlaw Waste Systems, Inc.	(314) 739-1919

ADDRESS	CITY	STATE	ZIP CODE
13570 St. Charles Rock Road	Bridgeton	Mo	63044

OPERATOR	TELEPHONE NUMBER
Same as owner	"

ADDRESS	CITY	STATE	ZIP CODE
"	"	"	"

II REMAINING LIFE OF LANDFILL

A. Estimated quantity of waste accepted, ≈ 1,200 (yards or tons/week)

B. Estimated life of remaining landfill, 21 years.

C. Fixed operating term date, N/A.

AREA SERVED

A. Cities: Various Municipalities

B. Counties: St. Louis, St. Charles

NOTE ▶ Check all subsections: SAT-Satisfactory or UNS-Unsatisfactory. If necessary, describe "UNS" violations under "Remarks."

		SAT	UNS
10 CSR 80-2.020 PERMIT ISSUANCE, SPECIAL OPERATING PERMITS AND PERMIT EXEMPTION			
(5)(E)	SITE CONSTRUCTED AND OPERATED PER TERMS AND CONDITIONS OF PERMIT.	✓	
10 CSR 80-2.060 CERTIFIED SOLID WASTE TECHNICIANS			
(2)(A)	CERTIFIED SOLID WASTE TECHNICIAN. Randy Anderson	✓	
10 CSR 80-4.010 DEMOLITION LANDFILL DESIGN AND OPERATION			
(2) SOLID WASTE ACCEPTED			
(2)(C)	SOLID WASTES ACCEPTED DISPLAYED AT THE SITE ENTRANCE.	✓	
(3) SOLID WASTE EXCLUDED AND SPECIAL WASTE APPROVALS			
(3)(C)1.	DISPOSAL OF SPECIAL WASTES APPROVED IN THE PERMIT IN ACCORDANCE WITH APPROVED PLANS.	✓	
(3)(C)2.A.	WRITTEN APPROVAL FOR SPECIAL WASTE NOT APPROVED IN PERMIT.	✓	
(3)(C)2.B.	APPROVED SPECIAL WASTE DISPOSED OF PROPERLY.	✓	
(3)(C)3.	PROCEDURES FOR SCREENING AND REMOVAL OF EXCLUDED WASTES IMPLEMENTED.	✓	
(4) SITE SELECTION			
(4)(C)1.	SITE ACCESSIBLE IN ALL WEATHER CONDITIONS. TEMPORARY ROADS PROVIDED TO WORKING FACE.	✓	
(4)(C)2.	IF ACCESS ROADS ARE FLOODED, ALTERNATE LANDFILL IS AVAILABLE. NAME: Westlake SLF	✓	
(5) DESIGN			
(5)(C)1.	CONSTRUCTION AND OPERATION OF THE SITE IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.	✓	
(5)(C)2.	MINIMUM 50-FOOT BUFFER ZONE MAINTAINED.	✓	
(5)(C)3.	OPERATING MANUAL AVAILABLE.	✓	
(6) SURVEY CONTROLS			
(6)(C)1.	BOUNDARY MARKERS, BENCHMARKS, AND HORIZONTAL CONTROL STATIONS CLEARLY MARKED AND IDENTIFIED.	✓	
(6)(C)2.	MISSING OR DISPLACED BENCHMARKS OR HORIZONTAL CONTROL STATIONS REESTABLISHED.	✓	
(6)(C)3.	MISSING OR DISPLACED CONSTRUCTION STAKES REESTABLISHED.	✓	
(6)(C)4.	MONUMENTS AND BOUNDARY MARKERS PLACED PRIOR TO RECEIVING AUTHORIZATION TO OPERATE.	✓	
(6)(C)5.	CONSTRUCTION STAKES MARKING THE ACTIVE AREA PLACED PRIOR TO DEPOSITION OF WASTE.	✓	
(7) WATER QUALITY			
(7)(C)1.	SURFACE WATERCOURSES & RUNOFF PROPERLY DIVERTED. CONSTRUCTION & GRADING TO PROMOTE RUNOFF WITHOUT EXCESSIVE EROSION.	✓	
(7)(C)2.	CONTACT BETWEEN WATER AND SOLID WASTE MINIMIZED.	✓	
(7)(C)5	LEACHATE GENERATED ON-SITE CONTROLLED ON-SITE & NOT ALLOWED TO DISCHARGE OFF SITE OR INTO WATERS OF THE STATE.	✓	
(8) GROUND-WATER MONITORING			
(8)(C)1.B.	GROUND-WATER MONITORING WELLS OPERATIONAL PRIOR TO ACCEPTANCE OF WASTE. N/A	✓	
(9) AIR QUALITY			
(9)(C)	BURNING OF SOLID WASTE PROHIBITED UNLESS A BURNING PERMIT IS OBTAINED.	✓	

RECEIVED DEC 31 1990 MISSOURI DEPARTMENT OF NATURAL RESOURCES WASTE MANAGEMENT PROGRAM

MO 780-0303 (4-89)

		SAT	UNS
(10) GAS CONTROL			
(10)(C)1.	DECOMPOSITION GAS CONTROL SYSTEMS IMPLEMENTED AS NECESSARY. N/A	✓	
(10)(C)2.A.	METHANE NOT ALLOWED TO CONCENTRATE IN BUILDINGS ON-SITE ABOVE 25 PERCENT LEL.	✓	
(10)(C)2.B.	METHANE NOT ALLOWED TO CONCENTRATE IN THE SOIL AT THE PROPERTY BOUNDARY ABOVE 5 PERCENT LEL.	✓	
(10)(C)3.	DECOMPOSITION GAS MONITORING RESULTS SUBMITTED TO THE DEPARTMENT AS REQUIRED.	✓	
(11) VECTORS			
(11)(C)	VECTOR CONTROL PROGRAMS IMPLEMENTED.	✓	
(12) AESTHETICS			
(12)(C)1.	LITTER CONTROL DEVICES USED AS NEEDED. LITTER COLLECTED AND INCORPORATED INTO THE ACTIVE CELL AT THE END OF EACH DAY OR PLACED IN CONTAINERS.	✓	
(12)(C)2.	WASTES EASILY MOVED BY WIND COVERED AS NECESSARY.	✓	
(12)(C)3.	ON-SITE VEGETATION CLEARED ONLY AS NECESSARY.	✓	
(12)(C)4.	SALVAGED MATERIALS REMOVED DAILY OR STORED IN AESTHETICALLY ACCEPTABLE CONTAINERS.	✓	
(13) COVER			
(13)(C)1.	TWELVE (12) INCHES COMPACTED SOIL COVER APPLIED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS. (Saturdays)	✓	
(13)(C)2.	FINAL COVER APPLIED TO COMPLETED AREAS.	✓	
(13)(C)3.	FINAL SIDE SLOPES NOT TO EXCEED 33.3 PERCENT.	✓	
(13)(C)4.	VEGETATION ESTABLISHED WITHIN 180 DAYS OF APPLICATION OR REGRADING OF COVER.	✓	
(13)(C)5.	REGRADING AND RECOVERING AS NECESSARY. (1)	*	
(14) COMPACTION			
(14)(C)1.	SOLID WASTE HANDLING EQUIPMENT ON-SITE AND OPERATED AS NECESSARY.	✓	
(14)(C)1.A.	SOLID WASTE TO BE SPREAD IN LAYERS NO MORE THAN TWO FEET THICK, & CONFINED TO SMALLEST PRACTICAL AREA.	✓	
(14)(C)1.B.	WASTE COMPACTED TO SMALLEST PRACTICAL VOLUME.	✓	
(14)(C)1.C.	COVER COMPACTED AS MUCH AS PRACTICAL.	✓	
(14)(C)2.	SOLID WASTE SPREAD & COMPACTED AT LEAST WHEN THE ACCUMULATED WASTE REACHES 200 CUBIC YARDS.	✓	
(14)(C)3.	PREVENTIVE MAINTENANCE PERFORMED ON EQUIPMENT.	✓	
(14)(C)4.	SOLID WASTE NOT DISPOSED OF IN WATER.	✓	
(15) SAFETY			
(15)(C)1.	FIRE EXTINGUISHERS PROVIDED.	✓	
(15)(C)2.	ALL FIRES IN WASTES BEING DELIVERED, AT THE WORKING FACE OR WITHIN EQUIPMENT EXTINGUISHED.	✓	
(15)(C)3.	SCAVENGING PROHIBITED.	✓	
(15)(C)4.	CONTROLLED ACCESS TO SITE BY ESTABLISHED ROADWAYS & LIMITED TO HOURS WHEN OPERATING PERSONNEL ARE ON DUTY.	✓	
(15)(C)5.	TRAFFIC CONTROLLED AND DIRECTED TO DESIGNATED DISPOSING POINTS.	✓	
(15)(C)6.	SITE DUST CONTROLLED.	✓	
(16) RECORDS			
(16)(C)1.A.	RECORDS OF MAJOR PROBLEMS AND COMPLAINTS.	✓	
(16)(C)1.B.	RECORDS OF DATES OF COVER MATERIAL APPLICATION.	✓	
(16)(C)1.C.	RECORDS OF QUALITATIVE AND QUANTITATIVE EVALUATION OF THE ENVIRONMENTAL IMPACT OF THE LANDFILL.	✓	
(16)(C)1.D.	RECORDS OF VECTOR CONTROL EFFORTS.	✓	
(16)(C)1.E.	RECORDS OF DUST AND LITTER CONTROL EFFORTS.	✓	
(16)(C)1.F.	RECORDS OF QUANTITY OF WASTE RECEIVED.	✓	
(16)(C)1.G.	RECORDS OF QUANTITY OF WASTE HANDLED. TOPOGRAPHIC MAP SUBMITTED EVERY FIVE YEARS.	✓	
(16)(C)1.H.	RECORDS OF DESCRIPTION, SOURCES, AND VOLUME OF SPECIAL WASTES LISTED IN SUBSECTION (3)(A).	✓	
OTHER DESIGN SPECIFICATIONS			
(7)(C)3.	LEACHATE COLLECTION SYSTEM PROPERLY INSTALLED AND OPERATED. N/A	✓	
(7)(C)4.	LINER CONSTRUCTED BY APPROVED DESIGN. N/A	✓	
(8)(C)1.A.	GROUND-WATER MONITORING WELLS INSTALLED. N/A	✓	
(13)(C)6.	BORROW AREAS RECLAIMED.	✓	

REMARKS

(1) Minor amounts of exposed waste along west face. Recover & regrade as necessary.

(2) Most incoming waste is being diverted to West Lake SLF.

(3) Approximately 8 ft vertical space left along edges and 16 ft. remaining at center of landfill, according to P. Andersen.

(4) Operations were satisfactory

SIGNATURE OF INSPECTOR	OFFICE
Joseph L. Trumbo	St. Louis Regional Office.

MO 780-0303 (4-89)

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY

SOLID WASTE AND RECOVERED MATERIALS DATA SHEET

NAME OF FACILITY		PERMIT NUMBER
West Lake Demolition Landfill		218912
DATE	**REGIONAL OFFICE**	**INSPECTOR**
December 20, 1990	St. Louis	Joseph L. Trunko

TIPPING FEES

CUBIC YARD	PICKUP LOAD	WHITE GOODS
$10.00	$20.00	N/A
TON	**CAR LOAD**	**TIRES**
—	N/A	N/A

APPLICABLE *	TYPE OF MATERIAL RECOVERED	AMOUNT RECOVERED/MONTH CUBIC YARDS OR TONS	AMOUNT RECYCLED/MONTH CUBIC YARDS OR TONS
	ALUMINUM		
✓	Cans	minimal	
✓	Scrap	minimal	
	OTHER METAL		
✓	Ferrous	minimal	
✓	Non-Ferrous	minimal	
	PAPER		
N/A	Newspaper		
	Corrugated		
	Computer/White		
	Mixed		
	GLASS		
	Clear		
	Mixed		
	PLASTIC		
	Milk Jugs		
	Soda Bottles		
	Mixed		
	CAR BATTERIES		
	TIRES		
	WHITE GOODS		
	COMPOST FROM YARD WASTE		
	COMPOST FROM SOLID WASTE		

NOTE ▶ * CHECK IF APPLICABLE
PRINT "N/A" IF NOT APPLICABLE

MO 780-0345 (5-89)